

[Name of Document] Abstract

An object of the present is to uniform particle diameters and speeds of liquid droplets in a two-fluid nozzle for cleaning substrates which mixes gas and liquid internally and injects liquid droplets with gas so as to clean a
5 substrate. The two-fluid nozzle for cleaning substrates has a gas supply passage for supplying gas, a liquid supply passage for supplying liquid, and a lead-out passage for leading out internally-formed liquid droplets, wherein an injection port for injecting liquid droplets to the outside is formed at the front end of the lead-out passage, and wherein a cross-sectional area S_b of the
10 injection port is formed smaller than a cross-sectional area S_a of the lead-out passage, and a cross sectional area S_c of an exit of the gas supply passage is formed smaller than the cross-sectional area S_a of the lead-out passage.